

## Notes 4/30 - Working with Percents

To turn a % into a decimal, Move the decimal point 2 spaces left ( $\div 100$ )

$$\text{Ex: } \underline{35\%} \Rightarrow 0.35$$

$$\underline{7.8\%} \Rightarrow 0.078$$

$$\underline{106\%} \Rightarrow 1.06$$

To turn a decimal into a %, Move the decimal point 2 spaces right ( $\times 100$ )

$$\text{Ex: } \underline{.2} \Rightarrow 20\%$$

Percents and Fractions

$$\frac{\text{Part}}{\text{Whole}} = \text{decimal} \times 100 = \%$$

Fraction

What % is shaded?

Ex:



$$\frac{3}{8} = \underline{.375} \Rightarrow 37.5\%$$

## Mental Tricks

10% = Move decimal point one unit left

50% = cut in  $\frac{1}{2}$

$33\frac{1}{3}\%$  = cut in  $\frac{1}{3}$  (thirds)

25% = cut in  $\frac{1}{4}$  (quarters)